

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Joseph F. Skovira Confirmation No.:  
Serial No.: Group Art Unit:  
Filed: Herewith Examiner:  
Title: BALANCING WORKLOAD OF A GRID COMPUTING ENVIRONMENT

To: Mail Stop PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT OF RELEVANCE FOR INFORMATION  
DISCLOSED BY APPLICANT**

Sir:

The following Statement of Relevance is submitted with the accompanying Supplemental Information Disclosure form.

<u>Document</u>	<u>Relevance</u>
JP 04299414	Redistribution of workload.

A full text copy of the art cited, or the pertinent portions thereof, are enclosed. It is respectfully requested that this art be considered by the Examiner in the above-entitled application and made of record therein. The information provided and reference enclosed herewith shall not be construed as a representation that a search has been made or that no other art than that identified exists.

Respectfully submitted,

July 2, 2003  
Date

Blanche E. Schiller  
Blanche E. Schiller  
Attorney for Applicants  
Registration No.: 35,670

# INFORMATION DISCLOSURE CITATION

(USE SEVERAL SHEETS IF NECESSARY)

EXPRBS # ER 04653497845

ATTY DOCKET NO.

POU920030100US1

SERIAL NO.

APPLICANT(S)

JOSEPH F. SKOVIRA

FILING DATE

HEREWITH

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/M.Z./	AA	4,633,387	12/30/86	Hartung et al.	364	200	
/M.Z./	AB	4,852,001	07/25/89	Tsushima et al.	364	401	
/M.Z./	AC	5,630,129	05/13/97	Wheat	395	675	
/M.Z./	AD	5,655,120	08/05/97	Witte et al.	395	675	
/M.Z./	AE	6,202,080 B1	03/13/01	Lu et al.	709	105	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
							No	Yes	Abstract
/M.Z./	AF	JP 04299414 A	10/22/92	Japan	G06F	009/06	X		X

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/M.Z./	AG	"Latency Hiding in Dynamic Partitioning and Load Balancing of Grid Computing Applications," S. Das, D. Harvey, R. Biswas, 0-7695-1010-8/01 2001 IEEE, pp. 347-354.							
/M.Z./	AH	"MinEX: a Latency-tolerant Dynamic Partitioner for Grid Computing Applications," Das, S.K. et al., Future Generation Computer Systems, Vol. 18, Issue 4, March 2002, pp. 477-489.							
/M.Z./	AI	"A Latency-Tolerant Partitioner for Distributed Computing on the Information Power Grid," S. Das, D. Harvey, R. Biswas, 0-7695-0990-8/01 2001 IEEE.							
/M.Z./	AJ	"Hardware-Software-Balanced Resampling for the Interactive Visualization of Unstructured Grids," M. Weiler, T. Ertl, 0-7803-7200-x/01 2001 IEEE, pp. 199-206.							
/M.Z./	AK	"Dynamic Load Balancing with Adaptive Weighted Factoring in Computational Field Simulation Applications," Banicescu, I. et al., Parallel and Distributed Computing and Systems, November 6-9, 2000, vol. 1, pp. 352-359.							

EXAMINER

DATE CONSIDERED

EXAMINER: Initial here if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE CITATION**

(USE SEVERAL SHEETS IF NECESSARY)

ATTY DOCKET NO.

POU920030100US1

SERIAL NO.

APPLICANT(S)

**JOSEPH F. SKOVIRA**

FILING DATE

HEREWITH

GROUP

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

/M.Z./	AL	"Parallel Tetrahedral Mean Adaptation with Dynamic Load Balancing," Olikek, L. et al., Parallel Computing, vol. 26, issue 12, November 2000, pp. 1583-1608.
/M.Z./	AM	"Load Balancing Unstructured Adaptive Grids for CFD Problems," Biswas, R. et al., SIAM Conference on Parallel Processing for Scientific Computing, March 14-17, 1997, pp. 1-8.
/M.Z./	AN	"Impact of Load Balancing on Unstructured Adaptive Grid Computations for Distributed-Memory Multiprocessors," A. Sohn, R. Biswas, H. Simon, 0-8186-7683-3/96 1996 IEEE, pp. 26-33.
/M.Z./	AO	"Fast Parallel SAT-solver - Efficient Workload Balancing," Bohm, M. et al., Annals of Mathematics and Artificial Intelligence, vol. 17, issue 3-4, October 1996, pp. 381-400.
/M.Z./	AP	"Runtime Support and Dynamic Load Balancing Strategies for Structured Adaptive Applications," Moon et al., Proceedings of the Seventh SIAM Conference on Parallel Processing for Scientific Computing", pp. 575-580, 1995. (ABSTRACT ONLY)
/M.Z./	AQ	"Near-Optimal Adaptive Control of a Large Grid Application," Buaklee et al., ACM 1-58113-483-5/02, pp. 315-326. 2002
/M.Z./	AR	"Backfill Scheduling Of Applications Based on Data of the Applications," J. Skovira, U.S. Patent Application No. 10/406,985, filed April 4, 2003.
/M.Z./	AS	"Resource Reservation for Large-Scale Job Scheduling," J. Skovira, U.S. Patent Application No. 10/160,280, filed May 31, 2002.

EXAMINER

/Meng Yao Zhe/

DATE CONSIDERED

05/04/2009

EXAMINER: Initial here if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.